Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/28/2018 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125675	0	1.62	125480	1.57
Blue	F	SSC	125000	122580	-2	3.14	122853	2.85
Blue	E	FITC	23615	22752	-4	2.66	1014	10.87
Blue	D	PE	26739	26249	-2	2.23	942	10.42
Blue	B	PerCP-Cy5-5	48339	47254	-3	3.65	1367	17.74
Blue	A	PE-Cy7	45021	44905	-1	5.43	691	37.72
Red	C	APC	53064	52039	-2	2.72	2984	9.78
Red	A	APC-Cy7	57175	56659	-1	2.72	1180	11.48
Violet	B	V450	14728	14026	-5	4.98	672	9.69
Violet	A	V500	58621	56853	-4	4.85	2509	7.18

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19913	2.74	616	2	N/A	N/A	Pass
Blue	F	SSC	60569	1.61	561	15	N/A	N/A	Pass
Blue	E	FITC	114	40.12	552	4	0.0183	134	Pass
Blue	D	PE	206	31.01	543	7	0.1445	260	Pass
Blue	B	PerCP-Cy5-5	212	47.22	642	7	0.0090	89	Pass
Blue	A	PE-Cy7	71	131.48	701	8	0.0106	17	Pass
Red	C	APC	338	28.73	599	2	0.0187	34	Pass
Red	A	APC-Cy7	128	41.78	583	3	0.0052	1646	Pass
Violet	B	V450	81	44.31	469	-1	0.0441	2045	Pass
Violet	A	V500	183	22.69	496	-1	0.0138	257	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.50	-31.01	0.93
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.35
Red	16.86	14.40 - 21.60	N/A	N/A	30.91	31.35	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11310

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments